

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TR - DATE
(either instruct
reverse side)

Form approved
Budget Bureau No. 1004-0156
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2 NAME OF OPERATOR
Chuska Energy Company

3 ADDRESS OF OPERATOR
P. O. Box 2113, Farmington, New Mexico 87409

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
510' ENL & 620' FCL
At proposed prod. zone
SAME

5 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
SAME

6 DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY IN LEASE LINE, FT.
(Also to nearest dril well base if any)

7 NO. OF ALLEYS IN LEASE
5420

8 DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
5550'

9 ELEVATIONS (Show whether DF, RT, OR, etc.)
4716' GR

10 NO. OF ALLEYS ASSIGNED TO THIS WELL
40

11 ROTARY OR CABLE TOOLS
Rotary

12 APPROX DATE WORK WILL START
February 15, 1986

RECEIVED

JAN 17 1986

DIVISION OF OIL
& MINING

5 LEASE DESIGNATION AND SERIAL NO
NOG 8308-1033

6 IF INDIAN, ALLOTTEE OR TRIBAL NAME
NAVAJO

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME
NAVAJO TRIBAL

9 WELL NO
41-11

10 FIELD AND POOL OR WILDCAT

11 SEC., T., R., OR BLS. AND SURVEY OR AREA
11 - 42S - 24E

12 COUNTY OR PARISH
San Juan

13 STATE
Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.50	80	
12 1/4	8 5/8	24.0	1600	See attached
7 7/8	5 1/2	15.50	5550	

SEE ATTACHED

Consider this information confidential.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 1-24-86
BY John R. Davis
WELL SPACING 300'

15 ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout potential program if any.

16 NAME OF APPLICANT
John Alexander

17 TITLE
Vice-President

18 DATE
1/14/86

19 PERMIT NO
43-037-31243

20 APPROVAL DATE

21 APPROVED BY
CONDITIONS OF APPROVAL IF ANY

22 TITLE

23 DATE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

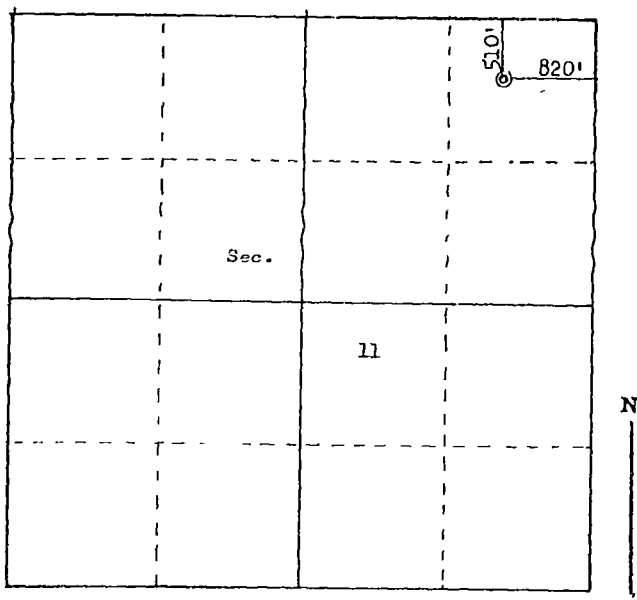
COMPANY CHUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL WELL NO. 41-11

SEC 11, T 42S, R 24E
San Juan County, Utah

LOCATION 510' FNL 820' FEL

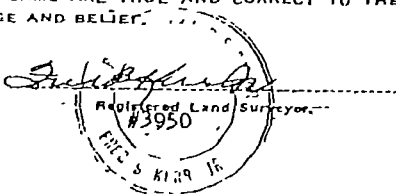
ELEVATION 4716 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL



SURVEYED November 4, 1983

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY CO.
Navajo Tribal No. 41-11
510' FNL & 820' FEL
11 - 42S - 24E
San Juan Co., Utah

1. Surface Formation: Bluff Sandstone.

2. Estimated Formation Tops:

Chinle	1235'
DeChelly	2439'
Organ Rock	2677'
Hermosa	4340'
Upper Ismay	5203'
Lower Ismay	5320'
Desert Creek	5382'
T.D.	5550'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil	5382'
-----	-------

4. Proposed Casing Program:

0-80'	13 3/8", 54.50 lb./ft., ST & C, J-55 new casing; cement with 120 cu. ft. Class "B" + 2% CaCl ₂ + 1/4 lb. celophane flakes per sack.
0-1600'	8 5/8", 24 lb./ft., ST & C, K-55 new casing; cement with 800 cu. ft. 65-35 poz mix + 2% CaCl ₂ . Cement will be brought to surface.
0-5550' T.D.	5 1/2", 15.5 lb./ft., ST & C, K-55 new casing; cement with 450 cu. ft. 50-50 poz mix + 2% CaCl ₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4000'. Stage tool at 2700'. Second stage 500 cu. ft. 65-35 poz mix, 6% gel; followed by 100 cu. ft. Class "B". Cement top 1000'.

5. Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

DEPTHS	TYPE	VIS.	WEIGHT	FLUID USAGE
0'-1600'	Gel-lime	35-45	9.0	Not controlled
1600'-4000'	Gel-chem	35-45	9.5	15cc
4000'-5550'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

- a. Bit float
- b. Stabbing valve to be used in drill pipe when kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole: IES, CNL, FDC
Mud : 4000' to T.D.

Testing : Possible in Lower Ismay and Desert Creek.

Coring : None planned.

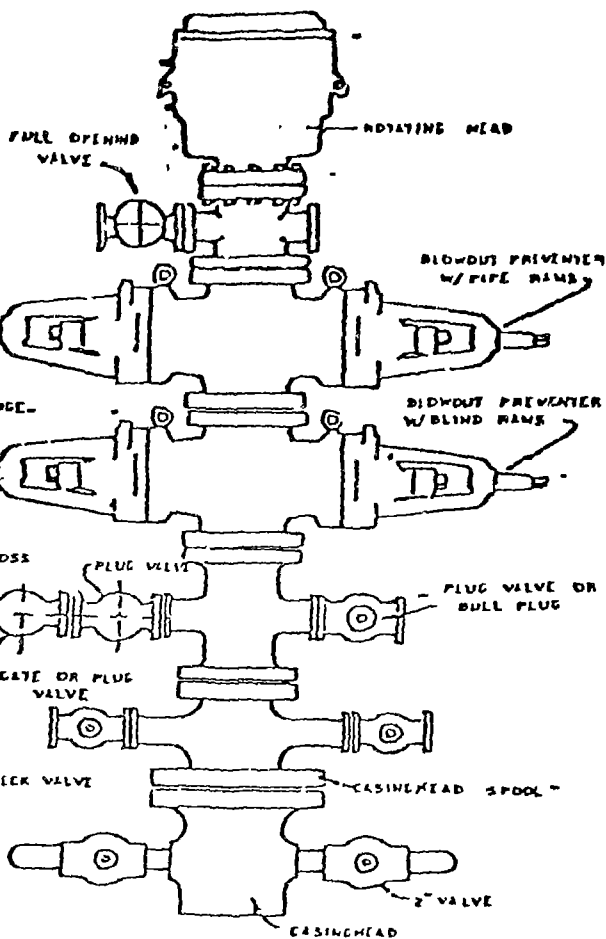
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected.

10. Starting Date:

Anticipated starting date is February 15, 1986. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS SECTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SWELED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKER MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY CO.
Navajo Tribal No. 41-11
510' FNL & 820' FEL
11 - 42S - 24E
San Juan Co., Utah

1. Existing Roads (shown in green):

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join a secondary road leading to an existing county dirt road. The county and secondary road will bear normal drilling traffic and not have to be upgraded.

2. Planned Access Road (shown in red):

The new access road will run East from the existing secondary road approximately 1800 feet to the wellsite. Maximum grade will be 10%. Water bars will be used to prevent erosion.

3. Location of Existing Wells:

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines:

All production facilities are to be contained within the proposed location site. A 2 1/2" threaded and coupled, steel, 6,000 psi test gas line will be laid in the new access road and will follow the existing road to a tie-in in NW/NE 2-42S-24E. This line will initially be laid on the surface and later buried.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 10 miles North of the location.

6. Source of Construction Materials:

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal:

All trash will be carried to a landfill or burned. All non-burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities:

No ancillary facilities are planned.

10. Well Site Layout:

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.


11. Plans for Restoration of Surface:

Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting and if required by private landowner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely material, filling of all pits, carrying away of all non-burnable material and any chemicals that cannot be safely buried and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

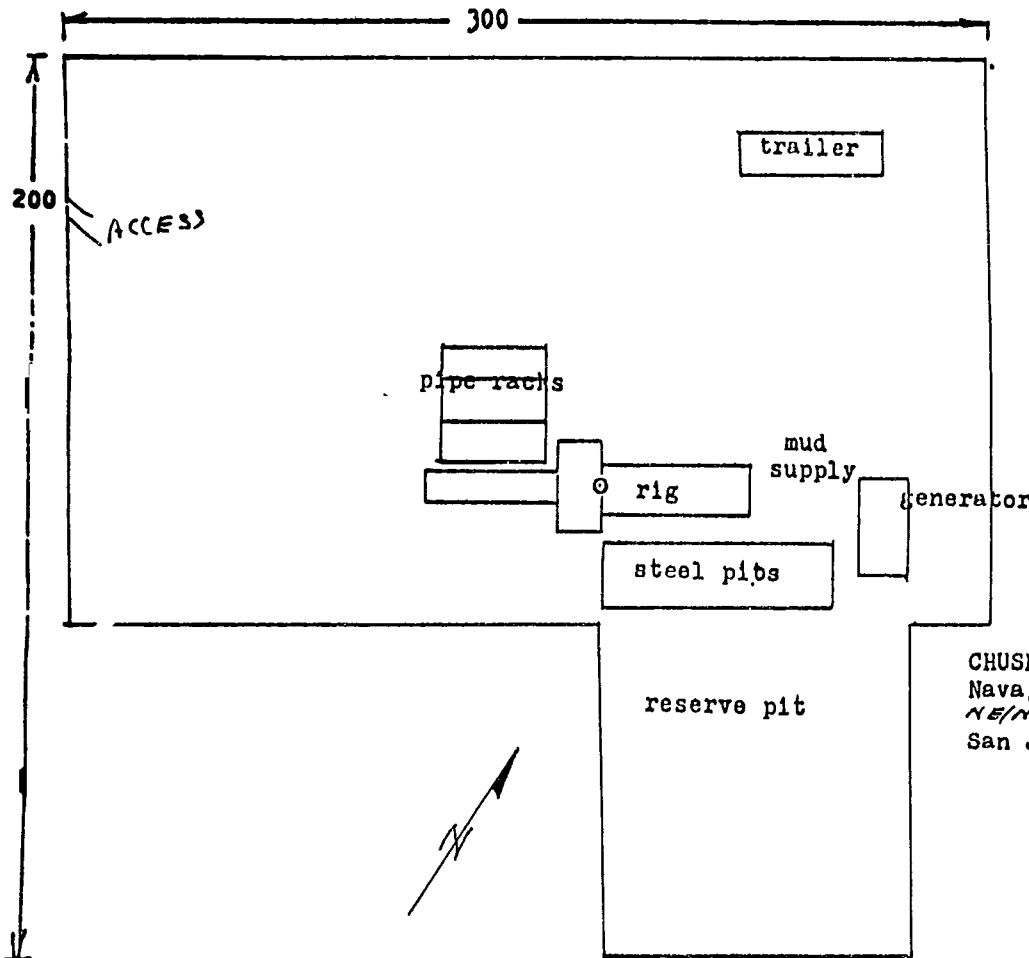
12. This location is approximately 10 miles South of the San Juan River. It is located on flat ground and covered with native weeds and grasses. No artifacts were found on the site. There are no residences in the area.

13. John Alexander
CHUSKA ENERGY COMPANY
P. O. Box 2118
Farmington, New Mexico 87499
Phone: (505) 326-5525

14. I hereby, certify that I, or persons under by direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

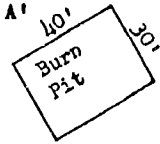
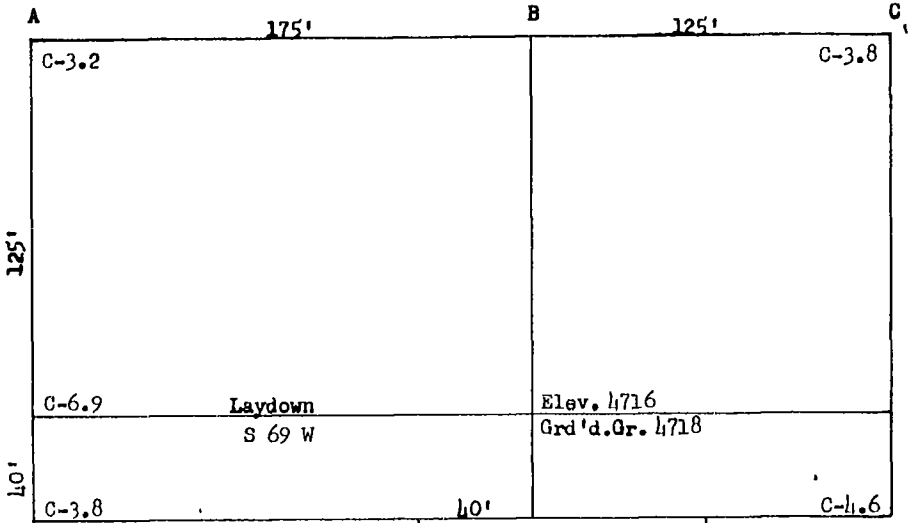


John Alexander
January 14, 1986

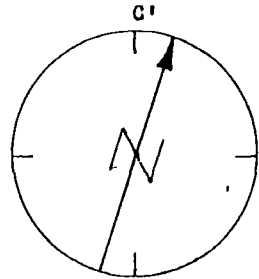
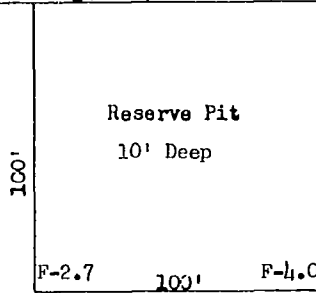


CHUSKA ENERGY CO.
Navajo Tribal 41-11
NE 1/4 11-42'S-24E
San Juan, Utah

Profile for
CHUSKA ENERGY COMPANY
#11-11 NAVAJO TRIBAL
510' FNL & 820' FEL
Sec. 11 T42S R24E
San Juan Co., Utah

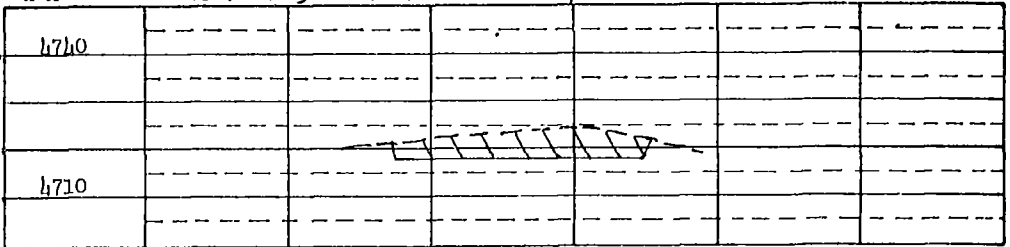


Scale: 1"=50'

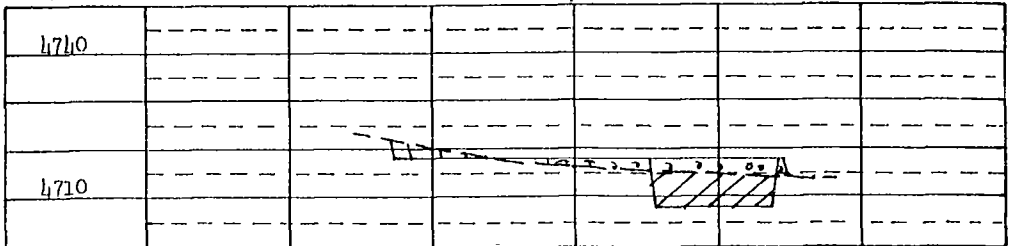


B'

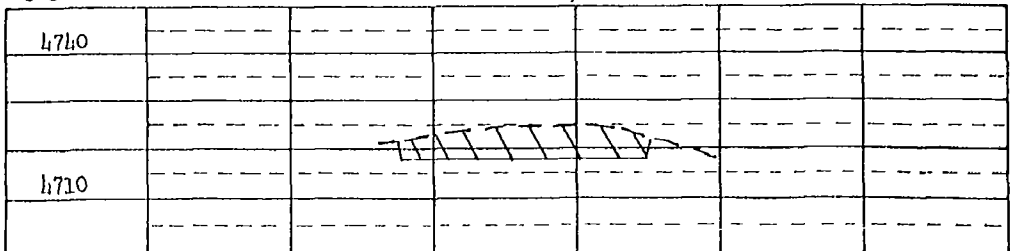
A-A' Vert.: 1"=30' Horiz.: 1"=100' C/L



B-B' C/L



C-C' C/L

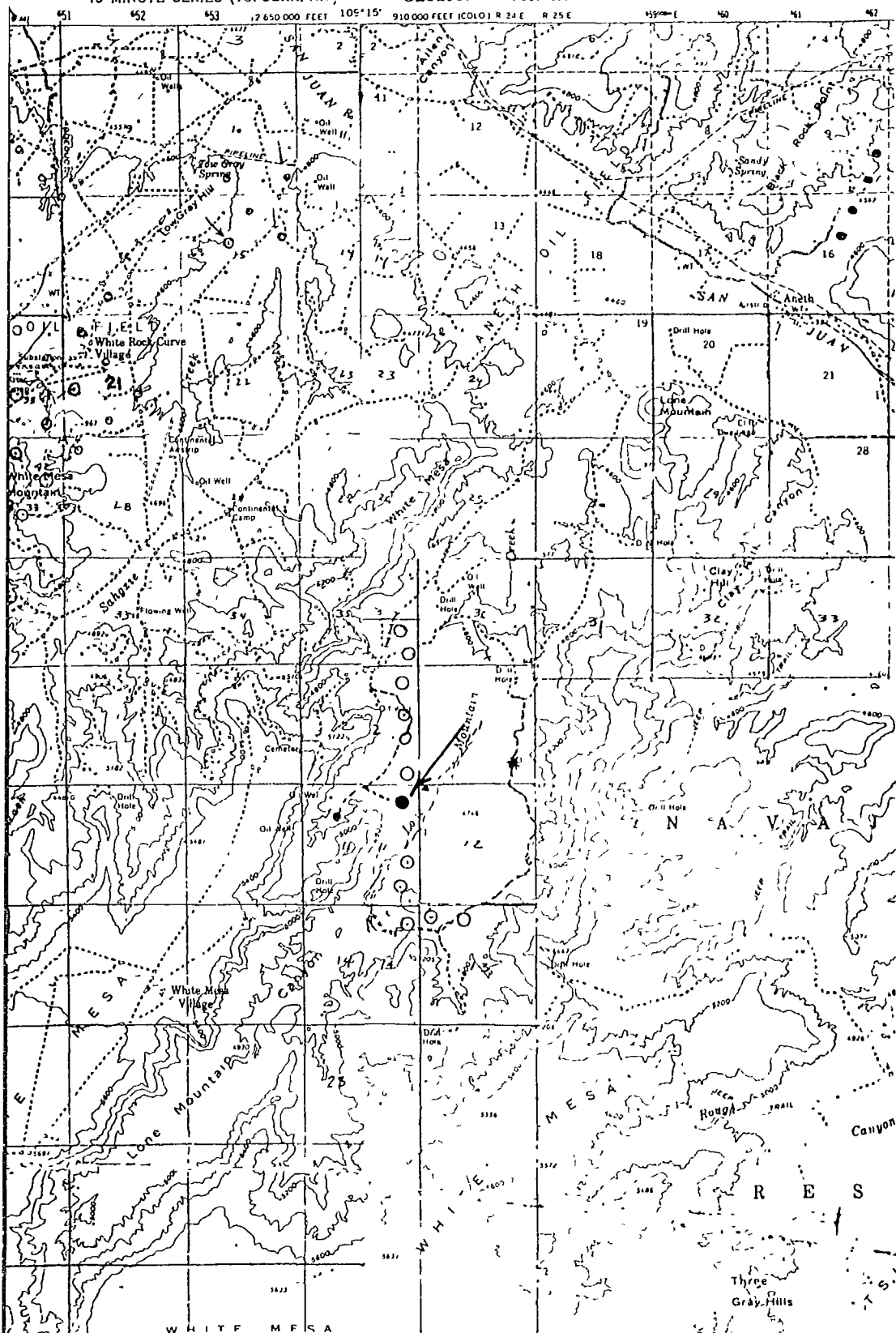


WHITE MESA VILLAGE QUADRANGLE
UTAH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

15 MINUTE SERIES (TOPOGRAPHIC,

105° 15' 910 000 FEET (COLOR) R 24 E R 25 E



Vicinity Map for
CHUSKA ENERGY COMPANY #11-11 NAVAJO TRIBAL
510°FNL 820°FEL Sec. 11-T42S-R24E
SAN JUAN COUNTY, UTAH

CONFIDENTIAL

OPERATOR Chuska Energy Co. DATE 1-20-86

WELL NAME Narajo Sibal 41-11

SEC NENE 11 T 42S R 24E COUNTY San Juan

43-037-31243
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST
WELL

☒

LEASE

☒

FIELD

☒

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 920'

Need water permit

APPROVAL LETTER:

SPACING: ☐ 203 _____ UNIT

☒ 302

☐ _____
CAUSE NO. & DATE

☐ 302.1

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84103 • 801-538-5340

January 24, 1986

Chuska Energy Company
P. O. Box 2118
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal 41-11 - NE NE Sec. 11, T. 42S, R. 24E
510' FNL, 820' FEL - San Juan County, Utah

Approval to drill the above-referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Chuska Energy Company

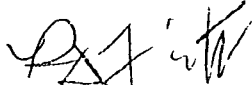
Well No. Navajo Tribal 41-11

January 24, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-057-31243.

Sincerely,



R. J. Firth

Associate Director, Oil & Gas

as

Enclosures

cc: Branch of Fluid Minerals

Bureau of Indian Affairs

Dianne R. Nielson



CHUSKA ENERGY COMPANY

P O BOX 2118 • FARMINGTON, N M 87499 • PHONE (505) 326 5525

February 25, 1986

030743

RECEIVED

Division of Water Rights
P. O. Box 718
Price, Utah 84501

RECEIVED
MAR 07 1986

FFR 29 1986

WATER RIGHTS
PRICE

Attention: Mr. Mark Page

DIVISION OF
OIL, GAS & MINING

Re: Water Permit No. 09-1443

Gentlemen:

Chuska Energy received the referenced permit to drill numerous oil wells in San Juan County. The need has arisen to add two previously unlisted wells to the permit. The following wells are listed on the permit and will not be drilled.

{ Navajo Tribal #32-18 SW NE Sec. 18 T.42S R.25E 43-037-31229 JA
Navajo Tribal A #24-29 SE SW Sec. 29 T.43S R.25E 43-037-31195 JA

We would like to add the following two wells to the permit in place of those above:

Navajo Tribal A #44-29 SE SE Sec. 29 T.43S R.25E 43-037-31248 JA
Navajo Tribal #41-11 NE NE Sec. 11 T.42S R.25E 43-037-31243 JA

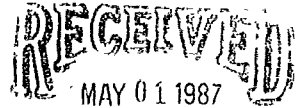
All wells are in San Juan County. The water source, volume, and means of transportation will be the same.

Sincerely,

John Alexander
John Alexander

JA/bc

Caller Service 4104
Farmington, New Mexico 87499



APR. 29 1987

DIVISION OF
OIL, GAS & MINING

CERTIFIED--RETURN RECEIPT REQUESTED
P-298-295-338

Chuska Energy Company
P.O. box 2118
Farmington, NM 87499

Gentlemen:

Enclosed is your Application for Permit to Drill (APD) for the following well:

1. No. 41-11 Navajo Tribal, NE/4/NE/4 sec. 11, T. 42 S., R. 24 E., San Juan County, Utah, on lease NOG-8308-1033.

The subject APD is rescinded and returned due to drilling not being commenced within one year of the approval date.

You are required to request surface reclamation instructions from this office if construction activities occurred on the referenced drill site. If this office does not receive comment within 15 days, it will presume that no construction occurred and proceed accordingly. Later discovery that construction activities have in fact occurred, may result in an assessment for noncompliance.

Sincerely,

cc: STEPHEN MASON

Don Fellers
Assistant Manager

1 Enclosure

cc:
State of Utah, Div., of Oil and Gas Minerals, Salt Lake City, Utah



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter Governor
Dee C. Hansen Executive Director
Dianne R. Nielson Ph.D. Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 7, 1987

051108

Chuska Energy Company
P.O. Box 2118
Farmington, New Mexico 87499

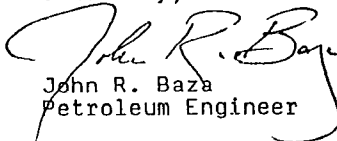
Gentlemen:

RE: Well No. Navajo Tribal 41-11, Sec.11, T.42S, R.24E,
San Juan County, Utah, API NO. 43-037-31243

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Farmington
D. R. Nielson
R. J. Firth
Well file
0327T-74